

**Road Weather Management Program
Best Practices for Road Weather Management**

PUBLICATIONS LIST

TITLE:

APPLICATION OF JETTING TECHNOLOGY TO PAVEMENT
DEICING

ABSTRACT:

Over 20 years ago, the Connecticut DOT investigated the use of pressurized salt brine jets to enhance the deicing performance. Despite promising results from several field trails, technical difficulties led to abandonment of this technology in the early 80's. Recent advances in high pressure jetting technology suggest that the use of high pressure jets in conjunction with improved chemical agents for pavement deicing may now be practical. In this study, the application of modern high pressure jetting technology as a means of pavement deicing is explored. The proposed system removes ice and snow through the combined action of mechanical jetting forces and controlled use of deicing chemicals.

SOURCE(S):

Transportation Research Board 81st Annual Meeting, Search
TRIS <http://199.79.179.82/sundev/search.cfm>

Keyword(s):

Anti-icing/de-icing, Chemicals, Winter maintenance